

WHAT IS CLAIMED IS:

1. A sensor module for a card connector, the connector having an inlet end through which the card is inserted, and a terminating end opposing the inlet end, characterized in that: the sensor module is provided at the terminating end and activated by a leading edge of the card from a normally non-actuated position to an actuated position.
2. The sensor module of Claim 1, comprising a first contact and a second contact, each having a first section and a second section, and the non-actuate position is such that the second sections are substantially parallel to one another in a normally non-contact arrangement.
3. The sensor module of Claim 1, comprising a first contact and a second contact, each having a first section and a second section, and the non-actuated position is such that the second sections are converged towards one another in a normally contact arrangement.
4. The sensor module of Claim 2 or 3, characterized in that: major planes of the first sections of the first and second contacts extend in a first direction, and major planes of the second sections of the first and second contacts extend in a second direction normal to the first direction.
5. The sensor module of Claim 4, wherein the first direction is parallel to a direction along which the card is inserted, and the second direction is along which the leading edge of the card extends.
6. The sensor module of Claim 2, wherein the second section of the first contact includes an extension section that first comes into contact with the leading edge of the card.
7. The sensor module of Claim 6, wherein the second section of the first

contact is driven by the leading edge of the card to contact the second section of the second contact when the extension section comes into contact with the leading edge of the card so as to assume the actuated position.

- 5 8. The sensor module of Claim 3, wherein the second section of the first contact includes an extension section that first comes into contact with the leading edge of the card.
9. The sensor module of Claim 8, wherein the second section of the first
10 second section of the second contact when the extension section comes into contact with the leading edge of the card so as to assume the actuated position.
10. The sensor module of Claim 2, wherein the sensor module is overmolded at transitions of the first and second sections of the first and second
15 contacts by a first overmolding body, to maintain the first and second contacts at the normally non-contact arrangement.
11. The sensor module of Claim 3, wherein the sensor module is overmolded at transitions of the first and second sections of the first and second
20 contacts by a first overmolding body, to maintain the first and second contacts at the normally contact arrangement.
12. A card connector, comprising:
- a housing defining a first storage area for receiving a card, and including a connecting means for connecting the card, the first storage area having an inlet end through which the card is inserted, and a terminating
25 end opposing the inlet end; and
- a sensor module provided at the terminating end and activated by a

leading edge of the card from a normally non-actuated position to an actuated position.

13. The card connector of Claim 12, wherein the sensor module comprises a first contact and a second contact each having a first section and a second section, and the non-actuate position is that the second sections are substantially parallel to one another in a normally non-contact arrangement.
14. The card connector of Claim 12, wherein the sensor module comprises a first contact and a second contact, each having a first section and a second section, and the non-actuate position is that the second sections are converged towards one another in a normally contact arrangement.
15. The card connector of Claim 13 or 14, characterized in that major planes of the first sections of the first and second contacts extend in a first direction, and major planes of the second sections of the first and second contacts extend in a second direction normal to the first direction.
16. The card connector of Claim 15, wherein the first direction is parallel to a direction along which the card is inserted into the first storage area, and the second direction is that along which the leading edge of the card extends.
17. The card connector of Claim 13, wherein the second section of the first contact includes an extension section that first comes into contact with the leading edge of the card.
18. The card connector of Claim 17, wherein the second section of the first contact is driven by the leading edge of the card to contact the second section of the second contact when the card comes into contact with the leading edge of the card so as to assume the actuated position.
19. The card connector of Claim 14, wherein the second section of the first

contact includes an extension section first comes into contact with the leading edge of the card.

- 5 20. The card connector of Claim 19, wherein the second section of the first contact is driven by the leading edge of the card to separate from the second section of the second contact when the card comes into contact with the leading edge of the card so as to assume the actuated position.
- 10 21. The card connector of Claim 13, wherein the sensor module is overmolded at transitions of the first and second sections of the first and second contacts by a first overmolding body, to maintain the first and second contacts at the normally non-contact arrangement.
22. The card connector of Claim 14, wherein the sensor module is overmolded at transitions of the first and second sections of the first and second contacts by a first overmolding body, to maintain the first and second contacts at the normally contact arrangement.
- 15 23. The card connector of Claim 21 or 22, wherein the first overmolding body is assembled to the housing.
24. The card connector of Claim 21 or 22, wherein the sensor module further comprises a second overmolding body overmolding the first and second contacts at locations distant from the first overmolding body.
- 20 25. The card connector of Claim 24, wherein the second overmolding body includes a locking mechanism to be locked to the connecting means.
26. The card connector of Claim 25, wherein the locking mechanism is an aperture..
- 25 27. The card connector of Claim 12, where in the housing further defines a second storage area for receiving a second card-like media, the second storage area being stacked above the first storage area.